

Abstract

An optical fiber grating part comprising ;
an elongated pedestal, and
5 a base plate installed on said pedestal, and having a different coefficient of
linear thermal expansion from said pedestal, and
an optical fiber passing through said pedestal, and connected to connection
points installed on said pedestal or said base plate located apart from each
other in the longitudinal direction of said pedestal, and having an optical fiber
10 grating located between said connection points,
wherein a predetermined tensile force is added to said optical fiber grating,
and
said pedestal and said base plates thermally expand or thermally shrink
independently in the longitudinal direction of said pedestal, and
15 an extension line of an axis of said optical fiber joining said connection points
passes through a contact surface between said pedestal and said base plate.